

# LT-APO/ULWD/NIR/0.35

Art.Nr.: 1013964

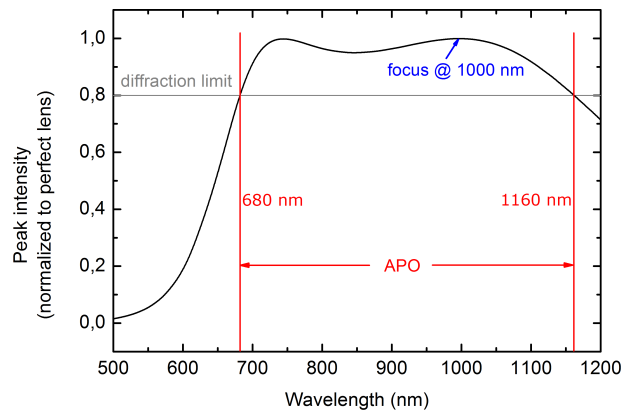
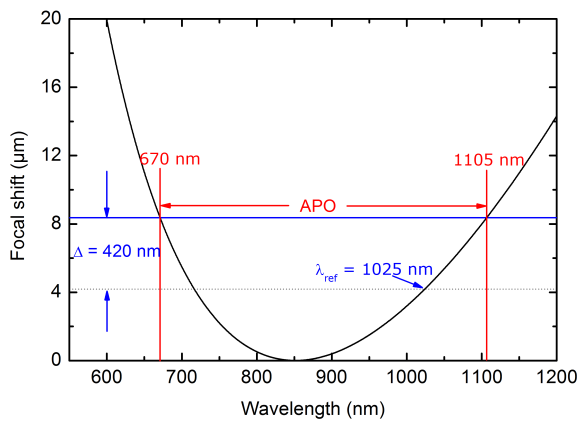
## Technical Specifications

Optical Data	
clear aperture	4.7 mm
focal length	6.71 mm
numerical aperture(NA)	0.35
working distance	12.0 mm <sup>(2)</sup>
Spectral Performance	
AR coating (> 80% transmission)	400 .. 1000 nm
apochromatic range (df < +/- delta)	670 .. 1105 nm <sup>(1)</sup>
Compatibility	
environment	low temperature, high magnetic fields, ultra high vacuum
compatible setups	CFM I/cust, AFM/CFM/cust, attoDRY800
suitable broadband collimator	RT-APO/VIS-NIR/0.13
Size and Dimensions	
diameter	24 mm
length	48.35 mm
weight	approx. 50 g

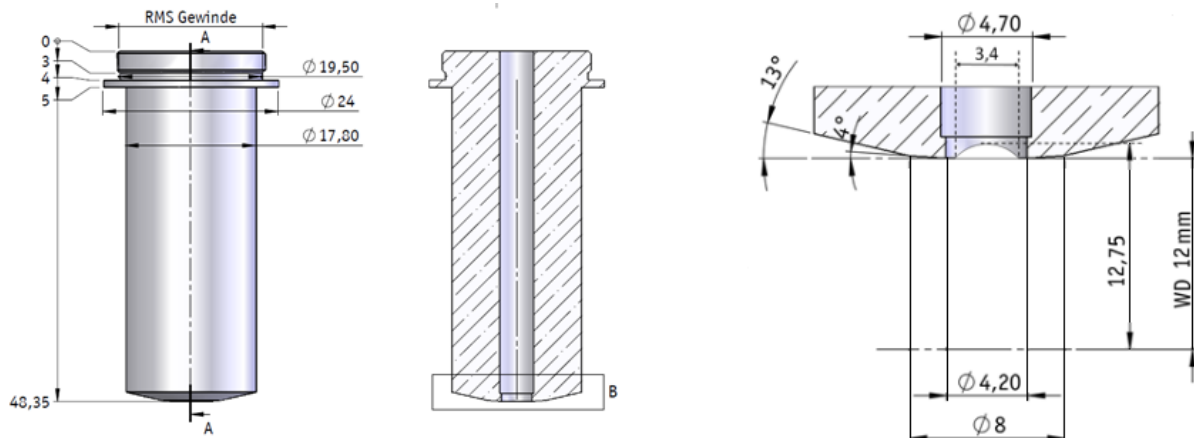


<sup>(1)</sup> df: chromatic focal shift,  $\Delta f = n \cdot \lambda_{ref} / (2 \cdot NA^2)$ ; depth of focus, n: refractive index,  $\lambda_{ref}$ : wavelength used to define focal plane with max.  $\Delta f$   
<sup>(2)</sup> designed exclusively for use with diamond anvils of thickness 1.55 +/- 0.45 mm

## Simulation Data on Chromatic Performance



## Technical Drawings



# LT-APO/ULWD/NIR/0.35/xs

Art.Nr.: 1014254

## Technical Specifications

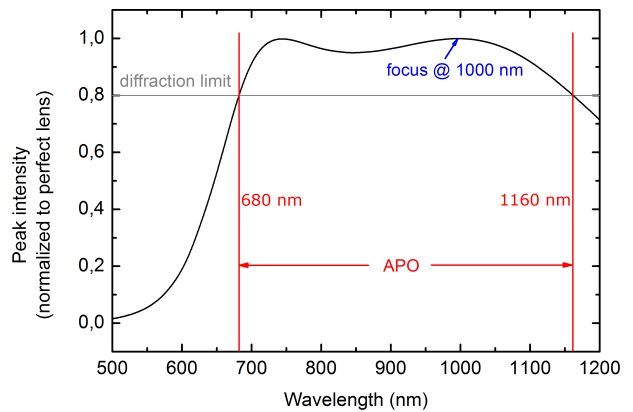
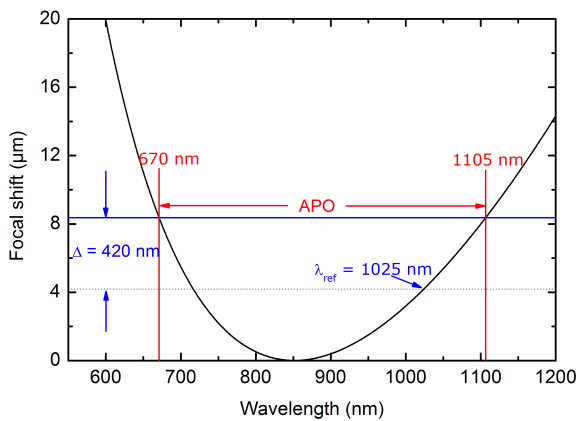
Optical Data	
clear aperture	4.7 mm
focal length	6.71 mm
numerical aperture(NA)	0.35
working distance	12.0 mm <sup>(2)</sup>
Spectral Performance	
AR coating (> 80% transmission)	400 .. 1000 nm
apochromatic range (df < +/- delta)	670 .. 1105 nm <sup>(1)</sup>
Compatibility	
environment	low temperature, high magnetic fields, ultra high vacuum
compatible setups	CFM I/cust, AFM/CFM/cust, attoDRY800
suitable broadband collimator	RT-APO/VIS-NIR/0.13
Size and Dimensions	
diameter	18.5 mm
length	50.35 mm
weight	approx. 50 g



<sup>(1)</sup> df: chromatic focal shift,  $\Delta f = n \cdot \lambda_{ref} / (2 \cdot NA^2)$ ; depth of focus, n: refractive index,  $\lambda_{ref}$ : wavelength used to define focal plane with max.  $\Delta f$

<sup>(2)</sup> designed exclusively for use with diamond anvils of thickness 1.55 +/- 0.45 mm

## Simulation Data on Chromatic Performance



## Technical Drawings

